



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Clarification of the April 26, 1989 Memo Concerning
Chronic/Oncogenicity Studies

TO: Jill Bloom
Special Review Branch
Special Review, Re-registratio Division, H7508C

From: Marcia van Gemert, Ph.D. *M van Gemert 5/14/89*
Acting Chief, HFAS Branch, HED, H7509C

Thru: William Burnam *W Burnam 5/14/89*
Deputy Director, HED, H7509C

Chemical: 2,4-D

Caswell No. 315

In the April 26, 1989 memo from M. van Gemert to J. Bloom the EPL report on the rat and mouse kidney slides was discussed. From the memo of Dr. Lynnard J. Slaughter dated 4/6/89 which was discussed in that April 26, 1989 memo Dr. Slaughter stated that the kidney lesion described and discussed in the subchronic and chronic studies and the EPL reports on these studies are not life threatening nor are they biologically important with respect to these animals' consumption of 2,4-D. These lesions are consistent with those found in aging rats. Whether or not the chemical in question influenced the early onset of a naturally occurring disease process cannot be deduced from animals subjected to the experimental design that was used for these studies.

The reason for having EPL examine these kidney slides was to determine if these lesions were serious enough to consider that the MTD had been reached in the mouse and rat chronic studies. After reviewing the EPL reports, Dr. Slaughter has determined that these kidney lesions are not sufficiently serious to say that an MTD had been reached in either study. Both the chronic/ oncogenicity study in rats and the oncogenicity study in mice will have to be repeated at a sufficiently high dose to test the oncogenic potential of 2,4-D.



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Chemical: 2-4,D

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HED File Code 13100 Other Tox Documents

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